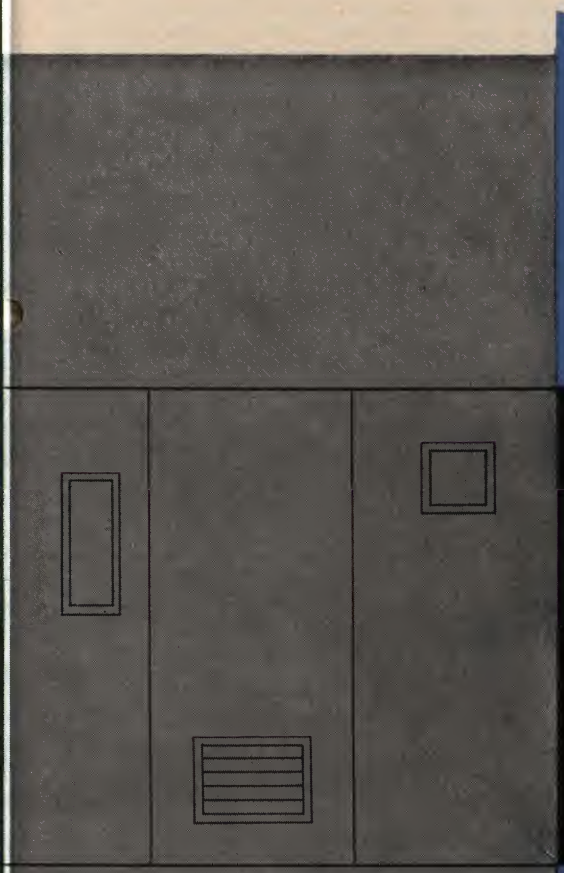
Coast Line



CUSTOM ENGINEERED Hollow Metal

- doors
- frames
- special openings

AIA FILE NO. 16-A
AIA FILE No. 16-B

COAST LINE STEEL PRODUCTS, INC.
MASPETH 78, LONG ISLAND, NEW YORK

COAST LINE

facilities

Know-how and skill are fundamental factors in hollow metal which call for a combination of both practical experience in fabrication and the production facilities capable of turning out the product.

Coast Line is exceptionally qualified to meet the most exacting requirements of architects, engineers and contractors. Its organization comprises men who have pioneered and developed hollow metal to its present notable importance in the field of metal products. Its continually expanding plant is manned by a crew of highly trained and exceptionally qualified craftsmen who know hollow metal "from the ground up." Its modern production equipment and facilities are amply geared to undertake the most challenging projects and to assure prompt service in meeting progress schedules.

nationwide representation

Because of its dependability in meeting rigorous delivery requirements and quality standards of the construction field, Coast Line has an ever-increasing list of agents and sales representatives in major cities throughout the nation. These representatives are ready to contribute their experience and know-how in assisting architects in planning their hollow metal requirements and in submitting quotations to contractors.

engineering service

Coast Line offers the expert knowledge of its engineering staff, without obligation, for consultation on any complex problem involving the development or fabrication of special hollow metal items.

■ SPECIFICATION

hollow metal doors

Doors shall be as manufactured by Coast Line Steel Prod., Inc., Maspeth, N.Y.

Doors shall be fabricated from 16ga. or 18ga. cold rolled sheet steel, prime commercial quality. Filler shall be rock mineral wool, cellular asbestos or equal sound deadener and fire retardant insulation. Tops of all exterior doors to be closed flush, to insure against seepage. Where Underwriter label doors are specified, insulate in accordance with Underwriter Laboratory requirements.

FLUSH DOORS: Shall be constructed from full flush face sheets, of gauge specified, with continuous interlocking vertical stiffeners welded to inner side of surface sheets full height of door, spaced a minimum of 6" on centers. Continuous channels of adequate gauge are to be welded full width of door, top and bottom, to provide proper rigidity and strength.

PANEL DOORS: Stiles and rails shall be formed of 16 or 18ga., as specified, panels and moulding of 20 gauge. Panel filler a minimum of ¼" asbestos board or equal insulating material. Glass panels shall have removable stops held in place by oval head machine screws. Joints of stiles and rails and mitres of all panel mouldings are to be welded and ground smooth.

HARDWARE PREPARATION: Doors shall be mortised and reinforced for hardware furnished by hardware contractor. Drilling and tapping to be done at factory for all mortise hardware from templates furnished by others. Doors shall be reinforced only for surface applied hardware, drilling and tapping to be done in the field by door erectors.

FINISH: All material to be thoroughly cleaned, filled and sanded smooth to conceal all weldments and seams. Apply shop coat of rust inhibitive primer, followed by a second coat of metallic primer baked on. Bonderizing, baked enamel and other special finishes furnished on request.

hollow metal frames

Frames shall be as manufactured by Coast Line Steel Prod., Inc., Maspeth, N.Y.

Frames shall be combination type with integral trim, formed of ..... gauge sheet steel, prime commercial quality. Profiles shall be formed true and sharp. Heads and jambs to be accurately mitred, welded and ground smooth. Where Underwriter labeled frames are specified, provide same in accordance with Underwriter Laboratory requirements.

ANCHORAGE: Provide at least 3 anchors per jamb for anchoring of frame to masonry, wood stud or steel stud wall or partition. Anchor to be the standard type used by frame manufacturer for the particular type of wall construction. Floor anchors shall consist of angle clips welded to jamb members, properly punched for anchoring to floor construction. Provide removable angle spreaders securely fastened at bottom of jambs.

HARDWARE PREPARATIONS: Mortise, reinforce, drill and tap as required to accommodate all mortised template hardware. Drilling and tapping for surface applied hardware to be done by frame erector in field.

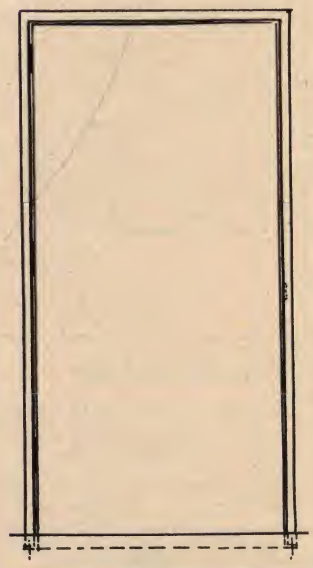
Reinforcements to be at least ⅛" thick at hinge and lock locations spotwelded to inner surfaces of jambs. Cutouts to be protected by pressed steel cover boxes, spotwelded to buck or inside of frames opposite mortises to prevent mortar fill.

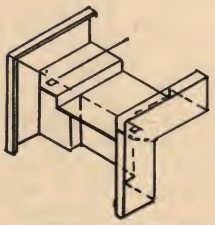
FINISH: Frames shall receive shop coat of rust-inhibitive metallic primer. Prior to painting, all frames shall be cleaned, all welds ground smooth, to provide proper surfaces for finish painting.

■ FRAMES

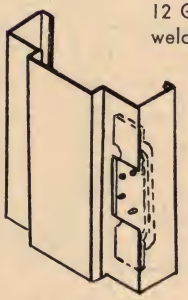
standard construction

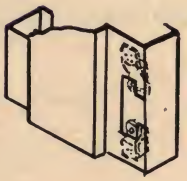
Unit frames are fabricated as set-up, fully welded units complete with lock and strike cutouts, plaster boxes, spreaders and floor knees; anchorage to depend upon wall or partition construction. Variations may occur where floor and wall conditions require special anchorage.



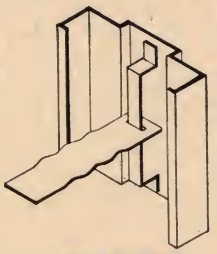


CORNER CONSTRUCTION

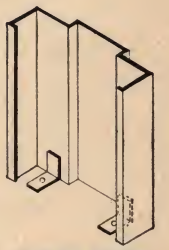




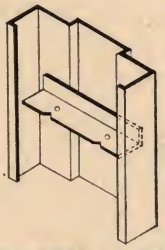
anchor details



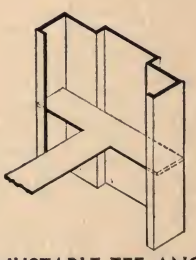
YOKE TYPE
UNDERWRITER ANCHOR



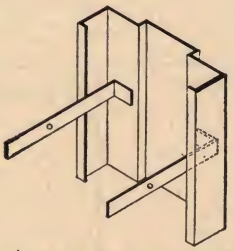
FLOOR KNEE



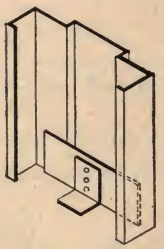
STEEL STUD ANCHOR



ADJUSTABLE TEE ANCHOR



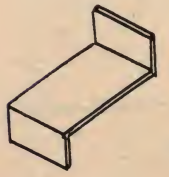
WOOD STUD ANCHOR



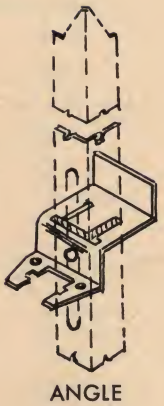
ADJUSTABLE FLOOR KNEE

plaster partition frame

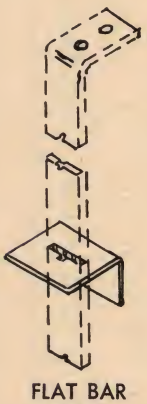
Where solid plaster partitions occur, these frames are especially popular. Most widely used profiles are those shown. Other profiles are also available. Where struts are required for additional rigidity they can be furnished in either flat bar, channel, or angle shape.



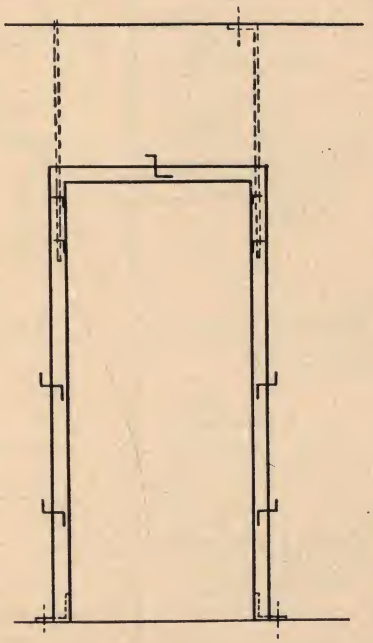
ZEE CLIP

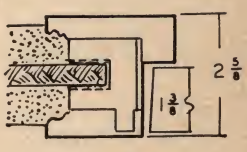


ANGLE
STRUT

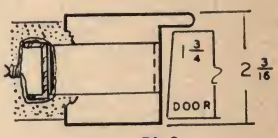


FLAT BAR
STRUT

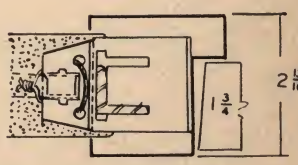




PL 1



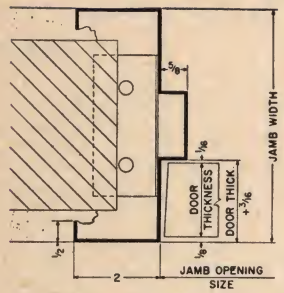
PL 2



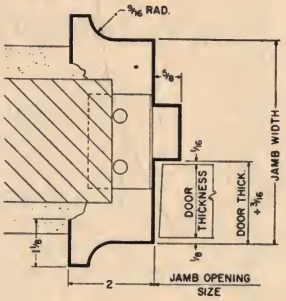
PL 3

■ FRAMES

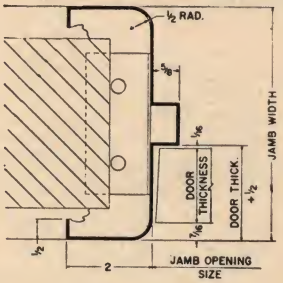
standard frame profiles



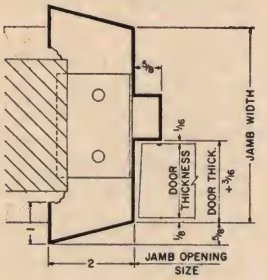
CL1 (18-16-12 GA)



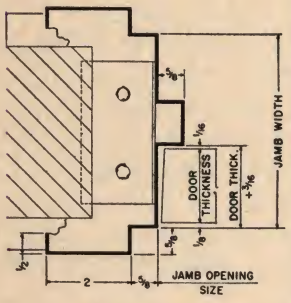
CL2 (18-16-14 GA)



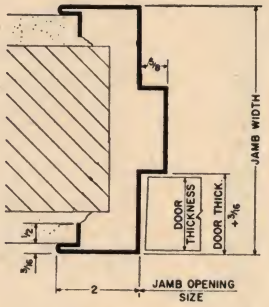
CL3 (18-16-14 GA)



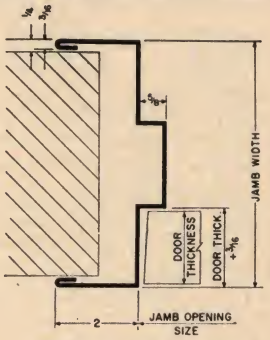
CL4 (18-16-14-12 GA)



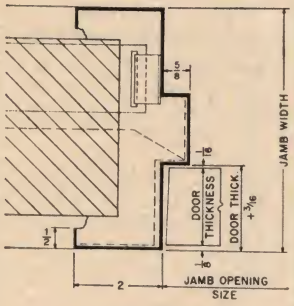
CL5 (18-16-14-12 GA)



CL7 (18-16-14 GA)



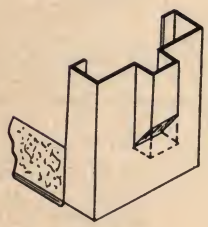
CL8 (18-16-14-12 GA)



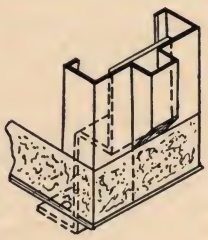
LEAD LINED

cut off stops

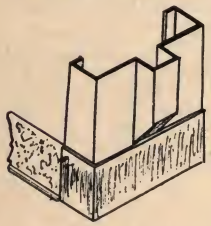
- sanitary base
- stainless steel spats



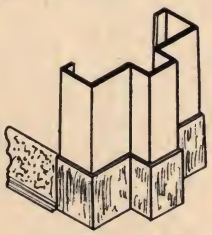
Stop cutoff and capped at 45° or 90°



Stop cutoff and capped at 45° or 90° jamb sets on base stilts to rough slab



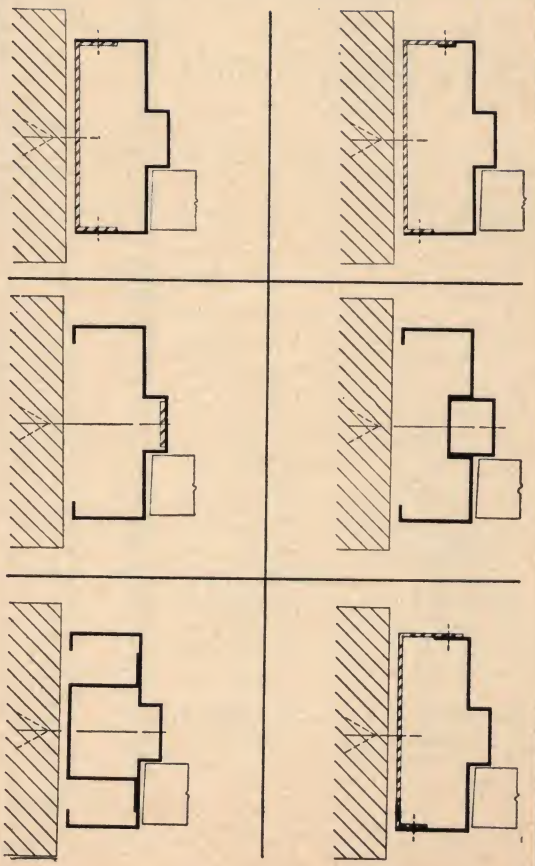
Stop cutoff and capped at 45° or 90° jamb extends to or below floor.*



Jambs & stop extend to or below floor.*

* Stainless steel spats wrapped around jamb legs.

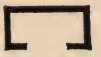
rough buck and cabinet jambs



moulding and trim

Sections, for use with rough buck, cabinet jamb openings or for decorative purposes. Snap-on clips for attaching are available only on certain types of moulding.

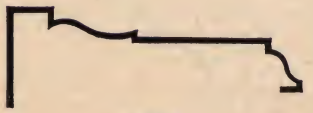
CLS 1



CLS 2

CLS 3

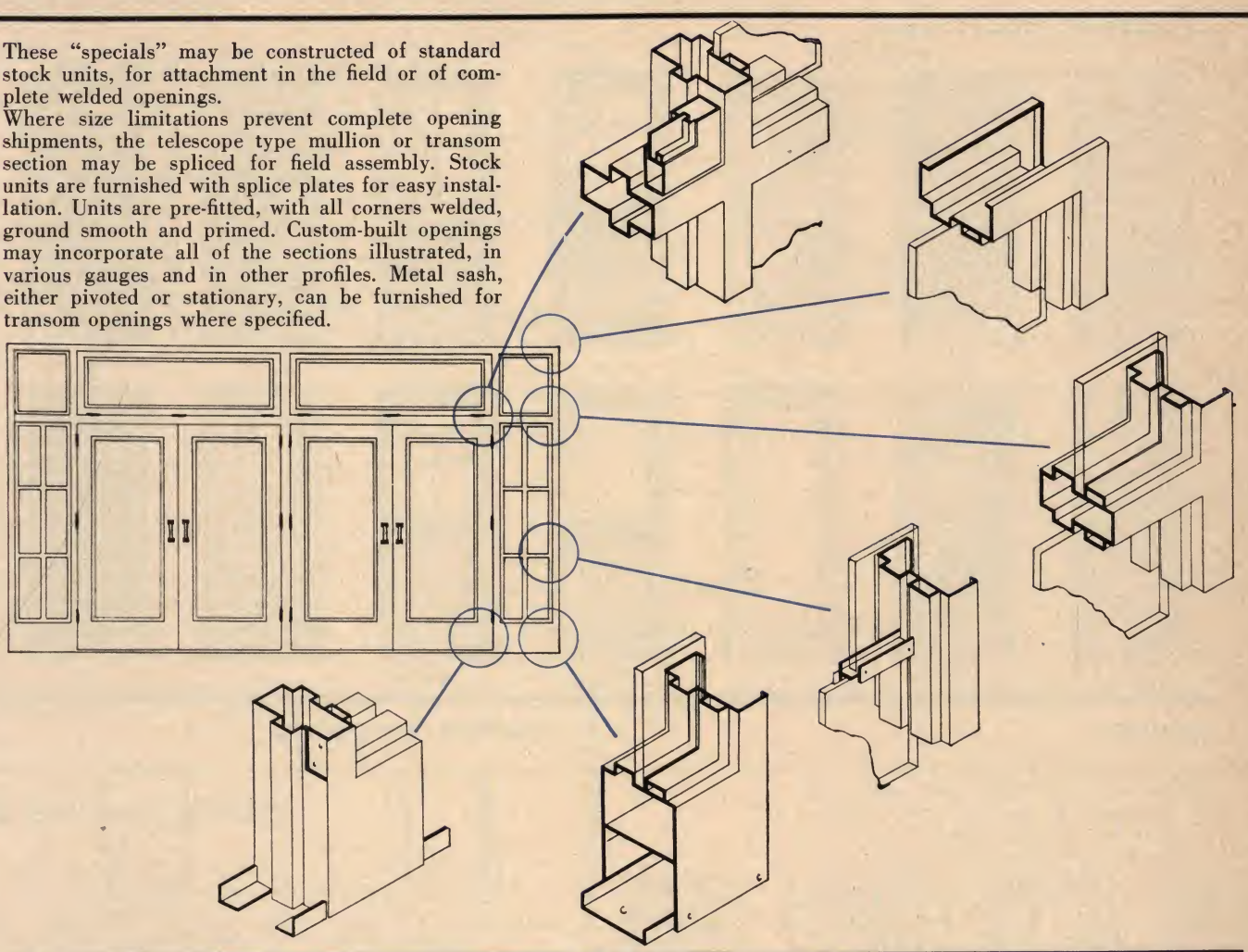
CLS 4



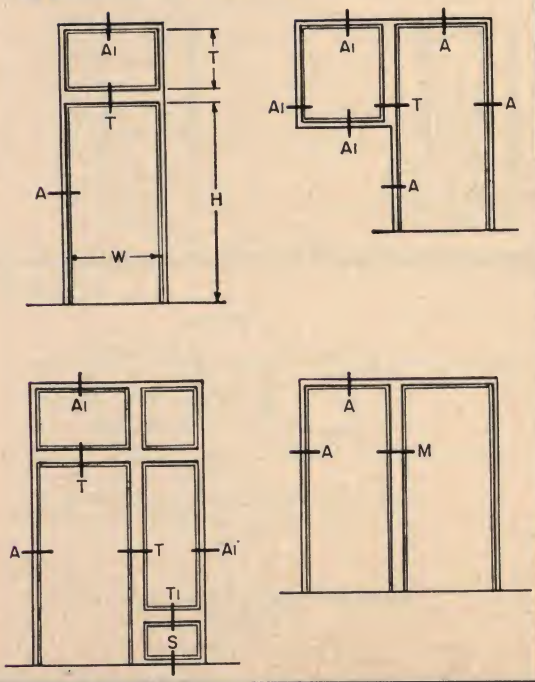
CLS 5

■ SPECIAL OPENINGS

These "specials" may be constructed of standard stock units, for attachment in the field or of complete welded openings.
Where size limitations prevent complete opening shipments, the telescope type mullion or transom section may be spliced for field assembly. Stock units are furnished with splice plates for easy installation. Units are pre-fitted, with all corners welded, ground smooth and primed. Custom-built openings may incorporate all of the sections illustrated, in various gauges and in other profiles. Metal sash, either pivoted or stationary, can be furnished for transom openings where specified.

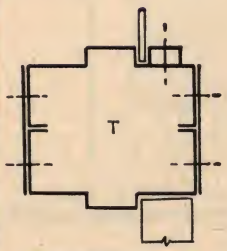


typical elevations



details

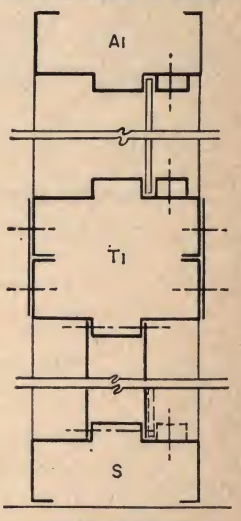
No Scale



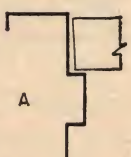
TRANSOM BAR

TELESCOPE MULLION

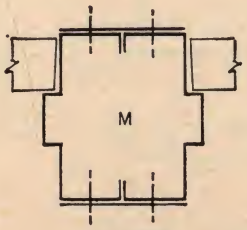
BORR. LITE OR
TRAN. JAMB & HEAD



BOTTOM PANEL
OR GLASS



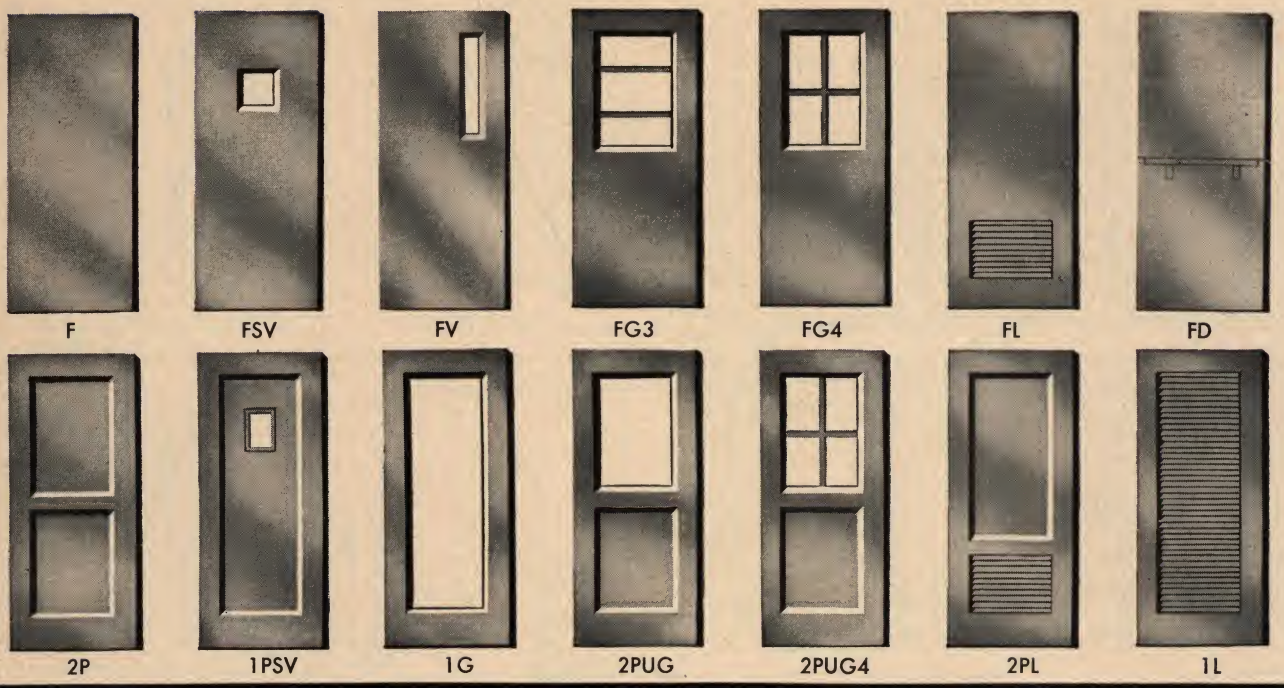
DOOR JAMB



MULLION

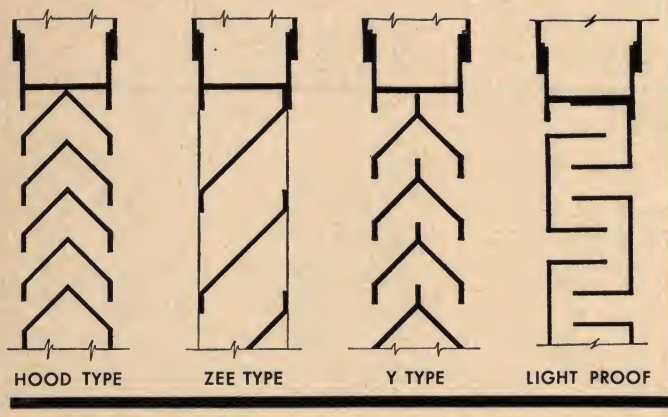
■ DOORS

standard door types

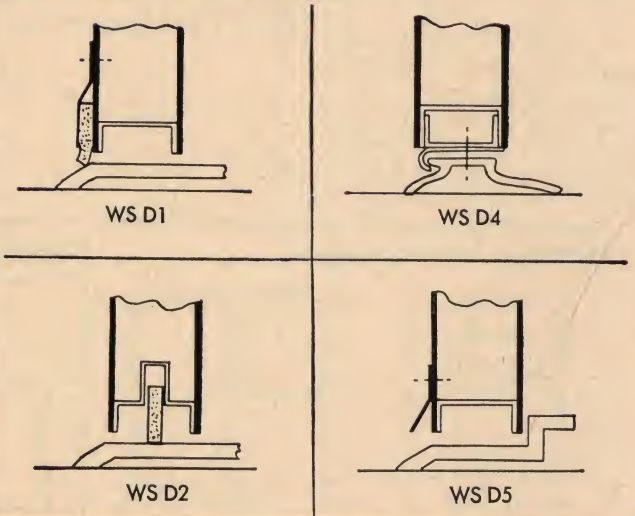


louvers

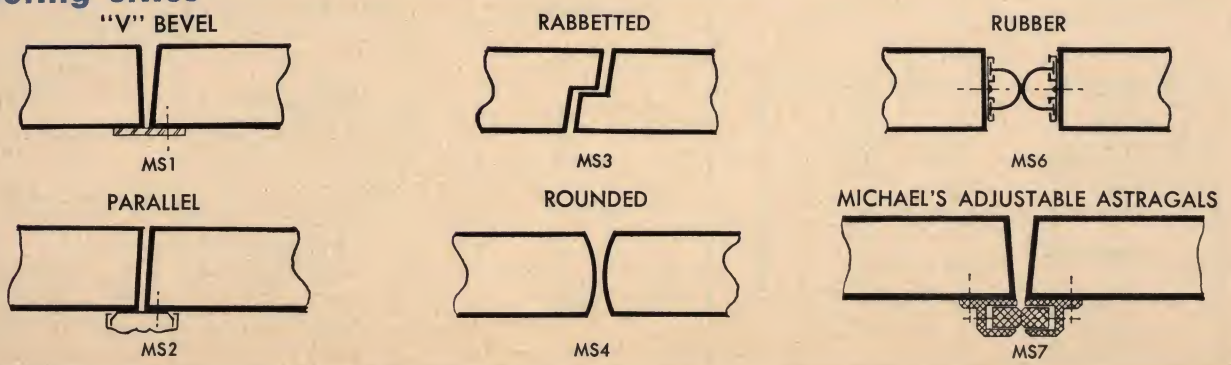
Standard types shown below may be furnished in all sizes. Adjustable louvers can be furnished on special order. Louvers made in 16, 18 and 20 gauge. Louvers installed in doors prior to shipment.



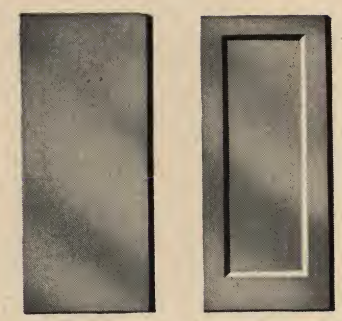
weather stripping



meeting stiles

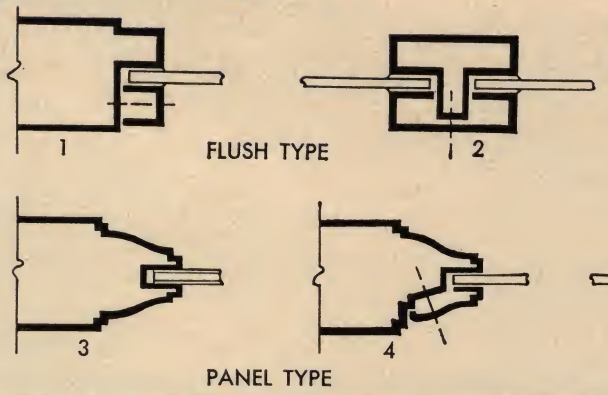


sizes and types



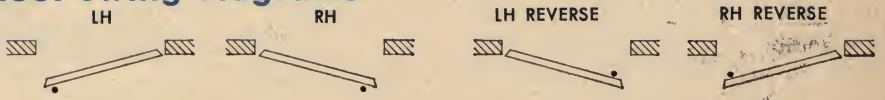
See specifications (page 2) for construction of flush and panel type doors. Both types may be fabricated in all variations of glass openings and sizes, panels, panels with glass openings, louvers of all sizes and various types. Oversize doors of both types made in accordance with architect's specifications in gauges and thickness specified. Hollow metal industrial steel doors, stile and rail panel types, made to specifications.

glass moulding details



1. square moulding
2. muntin bar
3. Panel moulding
4. Panel glass moulding
5. Panel glass muntin.

door swing diagrams



• key or cylinder side.

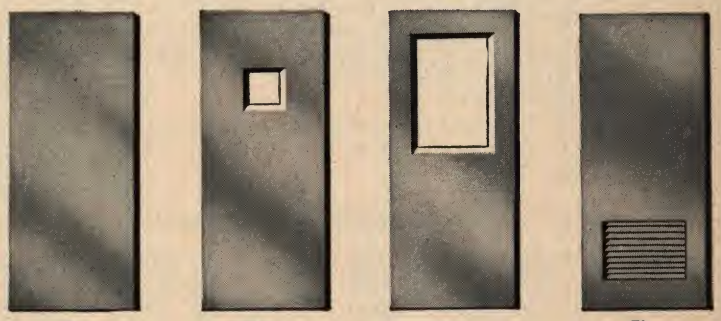
UNDERWRITERS LABEL SERVICE

Doors and frames furnished to meet Underwriters' Laboratories requirements from class "A" through class "E". Glass sizes permissible vary with different label requirements depending on location in building. Catalog sheet table of sizes furnished on request.

■ ECONODOR

A flush type, seamless face door, constructed to the same standards as the custom-engineered door, but with lock seam at edges. Ideal as budget-priced interior doors—fully insulated and rigidly reinforced.

Choice of standard sizes
20 gauge steel
Rust inhibitive prime finish
Mortised and reinforced for 1½ pair hinges.
Reinforced for surface closers
Prepared for cylindrical locks:
Schlage A-C-D series, 2⅜" & 2¾" backset;
Corbin 800 series, Russin 400 series;
Lockwood 110-130-140-160-180; Yale & Towne 5400 series.
Prepared for standard cylinder locks—lockface not to exceed 1" x 8".



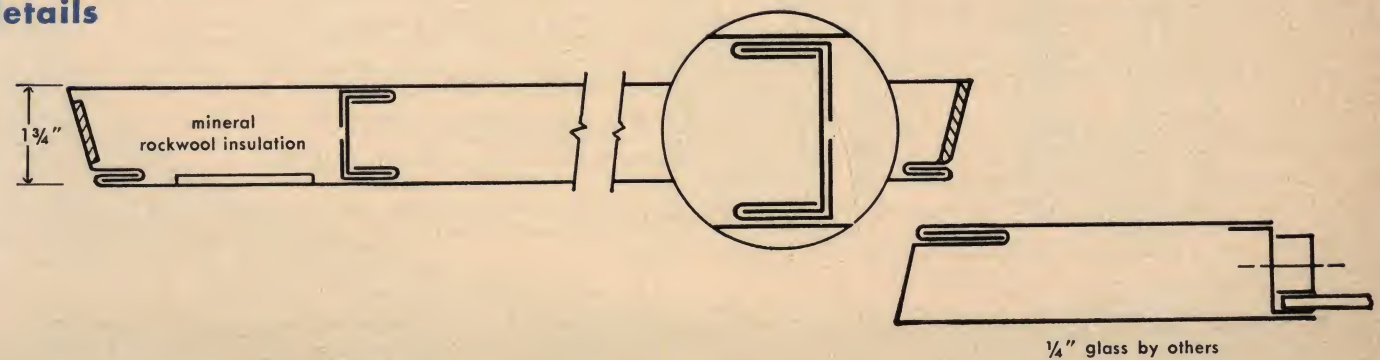
F

FSV
glass area
10" x 10"

FGI
glass area
20" x 20"
maximum

FL
louver height
12" maximum

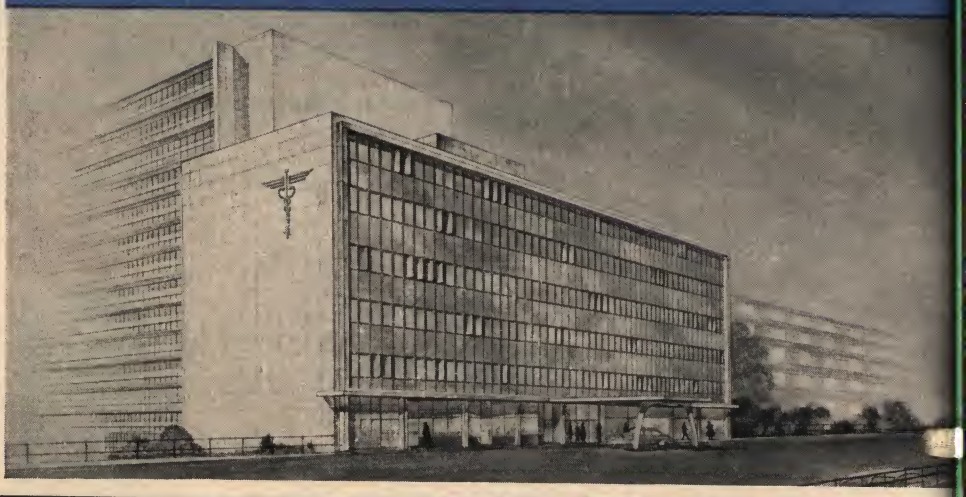
details



¼" glass by others

REPRESENTATIVE INSTALLATIONS

Western Electric Distributing Plant
Plymouth, Michigan
Architect: Lockwood Greene
Contractor: Bryant & Detwiler



Medical Center
Mid-State Baptist Hospital
Nashville, Tennessee
Architect: Hart, Freeland & Roberts
Contractor: Nile E. Yearwood

Anheuser-Busch Plant—Tampa, Fla.
Architect: Sverdrup & Parcel, Inc.; Contractor: Mills & Jones

Mid-State Baptist Hospital Medical Center—Nashville, Tenn.
Architect: Hart, Freeland & Roberts; Contractor: Nile E. Yearwood

Research Extension, Bldg. 4500—Atomic Energy Commission, Oak Ridge, Tenn.
Architect: A. M. Kinney, Inc.; Contractor: J. A. Jones Const. Co.

Computations Laboratory, Redstone Arsenal—Huntsville, Alabama
Architect: Ralph M. Parsons Co.; Contractor: Blount Bros. Co.

Dining Hall & Kitchen, Columbia College—Columbia, S. C.
Architect: Lafaye Fair LaFaye; Contractor: Atlantic Bldg. Corp., Columbia, S. C.

Glynco Naval Air Station—Glynco, Ga.
Architect: Patchen & Zimmerman; Contractor: A. B. Newton Co.

Library & Fine Arts Bldg.—Pensacola College, Florida
Architect: Hart & Leitch; Contractor: Dyson & Co.

1st Baptist Church—Rome, Ga.
Architect: Cooper, Barrett, Skinner & Woodbury; Contractor: J. P. Roberts

National Guard Armory—Dublin, Ga.
Architect: W. Elliott Dunwody, Sr.; Contractor: Dublin Const. Co.

Adamsville Pumping Station—Atlanta, Ga.
Architect: M. A. Tucker; Contractor: Arthur Pew Const. Co.

Mobile Medical Center—Mobile, Alabama
Architect: Hammond & Woods; Contractor: E. H. Cropp Const. Co.

Calvary Hospital—San Pierre, Ind.
Architect: A. M. Strauss, Inc.; Contractor: Van Keppel Const. Co.

G. M. Training Center—Houston, Texas
Architect: Wyatt C. Hendrick; Contractor: Le Blane, Inc.

Educational Bldg., South Side Baptist Church—Jacksonville, Fla.
Architect: Saxelbye & Powell; Contractor: Geo. D. Auchter Co.

Peachtree Baker Building—Atlanta, Ga.
Contractor: Consolidated Realty Inv.

Medical Dental Building—Arlington, Virginia
Architect: J. H. Sanders; Contractor: J. E. Nebel Co.

Army Reserve Training Center—Augusta, Ga.
Architect: Corps of Engineers, Savannah; Contractor: Guy Smith Const. Co.

COAST LINE STEEL PRODUCTS, INC.

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